IAP15 Rec'd PCT/PTO 11 AUG 2006 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE **FORM PTO-1390 MODIFIED** 620-449 U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) **CONCERNING A FILING UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/GB2005/000459 **11 February 2005** 11 February 2004 TITLE OF INVENTION INDUCTION OF APOPTOSIS BY INHIBITION OF SIRTUIN SIRT1 EXPRESSION APPLICANT(S) FOR DO/EO/US Anne Josephine MILNER Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.  $\boxtimes$ 1. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include 3.  $\boxtimes$ items (5), (6), (9) and (21) indicated below. The U.S. has been elected (Article 31). 4. A copy of the International Application as filed (35 U.S.C. 371(c)(2). 5. is attached hereto (31 pages specification, claims & abstract (26 claims), 0 sheets drawings). a. has been communicated by the International Bureau. b. is not required, as the application was filed in the United States Receiving Office (RO/US). C. An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)) 6. pages specification, claims & abstract ( claims), is attached hereto ( sheets drawings, page Certificate of Translation). has been previously submitted under 35 U.S.C. 154(d)(4). b. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3) 7. are attached hereto (required only if not communicated by the International Bureau). a. have been communicated by the International Bureau. b. have not been made; however, the time limit for making such amendments has NOT expired. C. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4). 9. a. Declaration was submitted to the International Bureau during International Phase (see copies of Declaration ( page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached). An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 10. U.S.C. 371(c)(5). Items 11 To 20 below concern document(s) or information included: An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98. 11. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. 12. A FIRST preliminary amendment. 13. a. A SECOND or SUBSEQUENT preliminary amendment. b. An Application Data Sheet under 37 C.F.R. § 1.76. 14. 15. A substitute specification. 16. A change of power of attorney and/or address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. **17**. 18. A second copy of the published international application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 19.

Other items or information. Form PCT/IB/308 (1st & 2nd Notices), Form PCT/SB/08a listing references cited in the attached

20.

International Search Report

## IAP11 Rec'd PCT/PTO 14 AUG 2006

| U.S. APPLICATION NO. 33 Kin win see 37 S. F.R. 1.5)   |  |                 |              |  | IN.            | INTERNATIONAL APPLICATION NO. PCT/GB2005/000459 |                         |  | ATTORNEY'S DOCKET NUMBER 620-449 |             |              |      |           |
|---|--|-----------------|--------------|--|----------------|---|-------------------------|--|----------------------------------|-------------|--------------|------|-----------|
|   | The follo                                      |                 |              |  |                | 101/40200/00403                                 |                         |  |                                  |             |              |      |           |
|   | BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5): |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| 21. 🛛   | Basic r  | national f      | ee           | •••••  |                | \$30  | 0.00 (                  | 1631)/\$150.00 (26                                 | 31)                              | \$          | 300.00       |      |           |
| 22. 🛛   | Examir   | Examination Fee |              |  |                |   |                         |  |                                  |             | <u> </u>     |      |           |
|   | \$200.00 (1633)/\$100.00 (2633)                |                 |              |  |                |   |                         |  | \$                               | 200.00      |              |      |           |
| 23. 🛛   |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| \$100 (1641)/\$50 (2641)  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| \$400 (1642)/\$200 (2642)   |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
|   |  |                 |              |  |                |   |                         |  | \$                               | 400.00      |              |      |           |
| TOTAL OF ABOVE CALCULATIONS   |  |                 |              |  |                |   |                         |  | \$                               | 900.00      |              |      |           |
|   |  | •               |              |  |                | -   | _                       | quence listing or compute per or fraction thereof. | ter program                      |             |              |      |           |
| Total Sheets  |  | Extra Sheets    |              | Number of each additional 50 or fraction thereof (round up to a whole number |                |   |                         |  |                                  |             |              |      |           |
| 31 -100   |  | 0               | /50 =        | 0.00   |                | ·   .   | \$ <b>250.00</b> (1681) |  |                                  | \$          |              |      |           |
|   | 100  |                 | /00 =        |  |                |   |                         | 5. <b>00</b> (2681)                                |                                  |             |              |      |           |
|   |  |                 |              |  |                |   |                         |  |                                  |             |              | 20   |           |
| Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than 🔯 30 months   |  |                 |              |  |                |   |                         |  | months                           |             | 100.00       |      |           |
| from the earliest claimed priority date (37 C.F.R. 1.492(e).  CLAIMS NUMBER FILED # EXTRA RATE  |  |                 |              |  |                |   |                         |  | \$                               | 130.00      | <u> </u>     | -    |           |
| Total Cla   |  | 2               |              | nus 20 =   | 6              | \$50.00 (1615)/                                 |                         | \$25.00 (2615)                                     | <u> </u>                         | \$          | 300.00       | I    |           |
| <del></del>   | -  |                 | <del>-</del> | nus 3 =  | 2 X            | \$200.00 (1614)                                 |                         | \$100.00 (2614)                                    |                                  | \$          | 400.00       |      |           |
| Independent Claims   5   minus 3 =   2 X   \$200.00 (1614)   \$100.00 (2614)     MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   \$360.00 (1616)/\$180.00 (2616)   |  |                 |              |  |                |   |                         | \$   | 0.00                             |             |              |      |           |
| Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s):  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three  Month Extensions \$1020.00 (1253/\$510.00 (2253); Four Month Extensions \$1590.00 (1254/\$795.00 (2254) \$ |  |                 |              |  |                |   |                         |  |                                  |             | 0.00         |      |           |
| Applicant claims small entity status. See 37 CFR 1.27.  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| Processing fee of \$130.00 (1618), for furnishing the English Translation later than 20 30  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| months from the earliest claimed priority date (37 C.F.R. 1.492(f).   |  |                 |              |  |                |   |                         |  | 0.00                             |             |              |      |           |
| TOTAL NATIONAL FEE =  |  |                 |              |  |                |   |                         |  | \$                               | 1730.00     | _            |      |           |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property +  |  |                 |              |  |                |   |                         |  | ا ہ                              | 00          |              |      |           |
| Fee for Petition to Revive Unintentionally Abandoned Application;\$1500.00 (1453) / \$750.00 (2453)   |  |                 |              |  |                |   |                         | \$   | 0.00                             |             |              |      |           |
| TOTAL FEES ENCLOSED =   |  |                 |              |  |                |   |                         |  | \$                               |             |              |      |           |
|   |  |                 |              |  |                |   |                         | ALTECO ENOL  |                                  | <u> </u>    | nount to be: | ╀╌   |           |
|   |  |                 |              |  |                |   |                         | refunded:  |                                  | \$          |              |      |           |
| U.S. Application No.unknown; Atty Docket No.620-449   |  |                 |              |  |                |   |                         |  | Amount to be Charged:            |             | \$           |      |           |
|   |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| a.  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| A duplicate copy of this form is enclosed.  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| c. 🛛 The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any   |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| overpayment to Deposit Account No. <u>14-1140</u> . A <u>duplicate</u> copy of this form is enclosed.   |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| d. X CREDIT CARD PAYMENT FORM ATTACHED.  e. X The entire content of International Application No. PCT/GB2005/000459 and any U.S. and foreign application(s) corresponding   |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
|   |  |                 |              |  | • •            |   |                         | •  | _                                | •           |              | corr | esponding |
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|   |  |                 |              |  |                | cation to pendin                                |                         | s not been met, a                                  | pennon n                         | UIE         | vive (37 C.r | ·n.  | 1.137(a)  |
| , , ,   | SPONDE   |                 | _            |  | io illo applii |   | 9 0.4.                  | <b></b>  |                                  |             |              |      |           |
| Direct a  | all corre                                      | sponde          | ence to      | :  |                |   |                         |  |                                  |             |              |      |           |
|   |  | Custor          | ner Ni       | ımber:   |                | 23117   |                         |  |                                  |             | مرجب         |      |           |
| Type Customer Number here   |  |                 |              |  |                |   |                         |  |                                  | 32955       |              |      |           |
| $\sim$  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| - 11 Corud.W.   |  |                 |              |  |                |   |                         |  | 14                               | Sen         |              |      |           |
| Telephone: (703) 816-4000 B. J. Sadoff  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
| BJS:smj (10°) NAME  |  |                 |              |  |                |   |                         |  |                                  |             |              |      |           |
|   |  |                 |              |  |                |   |                         |  |                                  | ugust 11, 2 | 006          |      |           |
|   |  |                 |              |  |                |   |                         | REGISTRATION N                                     | NUMBER                           |             | ate          |      |           |